

## SYSTEM AND METHOD FOR TERMINATING A BUS

### ABSTRACT

An exemplary system includes a bus (such as CAN bus) having at least two end points. A first and/or a second set of an undetermined number of devices may be connected to the bus. A controller is also connected to the bus, and is configured to establish a termination of the bus at one of the end points relative to the first and second sets of devices, dependent upon whether the controller receives a reply message in response to a communication test message sent to the first and second sets of devices at different times. If the controller discovers that devices are connected to the bus in both sets, the controller is relieved of establishing an end point on either end of the bus. Otherwise, if the controller discovers that devices are only connected to the bus in one of the two sets, the controller is therefore, configured to terminate an end of the bus.